

# João Peixoto

☎ (+351) 927 218 665   @ peixotojdaniel@gmail.com   🏠 Viana do Castelo, Portugal

🌐 [in/joaoandanielpaixoto](https://in.joaoandanielpaixoto.com)   🐙 [github.com/PeixotoDaniel](https://github.com/PeixotoDaniel)

## Professional Experience

---

**Software Engineer Intern, *Kwalit***

*Braga, Portugal — Jun. 2023 - Oct. 2023*

- Developed web applications using Qlik Data BI for **data analysis and visualization**
- Enhanced front-end UI design with **JavaScript** to optimize user experience
- Achieved **82% improvement** in **data querying performance** by optimizing **SQL** queries with subqueries, indexing, and caching strategies
- Documented detailed technical specifications to ensure a more streamlined process, facilitating system understanding and maintenance

## Education

---

• **Master's in Electrical and Computers Engineering**

*Porto, Portugal — Sep. 2020 - Jan. 2024*

**University of Porto**   Majoring in Telecommunications, Electronics and Computers (3.0 GPA)

• **Bachelor's in Electrical and Computers Engineering**

*Porto, Portugal — Sep. 2017 - Aug. 2020*

**University of Porto**   Specialization in Communications Networks and Services

## Projects

---

• **Master's Thesis - *Multiusers Human-Machine Interface through Augmented Reality***:

- Developed a multiuser Augmented Reality (AR) application using **Unity (C#)** and **ROS (C++)**, enabling intuitive robotic programming
- Implemented **AR tracking**, and **networking solutions** for collaborative human-machine interaction
- Utilized **SQL** for data management (**MySQL**) along with basic web development, and integrated a **REST API** in **Python** for multiple concurrent online sessions on a single server allocation

• **Refined Warehouse:** **Java**-based warehouse management system utilizing **SQLite** and **Swing2**. This system improves storage optimization, facilitates employee scheduling and clock-in management, and enhances customer interactions. Extensive documentation was provided using **Javadoc**

• **COVID Tracker:** Designed and implemented a web-based COVID-19 tracking system for the University of Porto using **HTML/CSS**, **PHP**, **SQL (MariaDB and SQLite)** to manage attendance and interaction data among students, professors, and staff across university faculties, facilitating contact tracing and isolation protocols based on in-person class interactions and confirmed cases

• Planned, designed, and conducted a budget estimate for the creation of an environmentally-friendly electrical network as part of a volunteering project. Developed a **Python** script to automatically extract and visualize data from electric bills

## Skills

---

- **Platforms and Software:** Windows, Linux, Arduino, Raspberry Pi, Unity, Qlik Data BI, MS Power BI, MS Excel
- **Programming Languages:** Python, C, C#, Java, SQL, Matlab, HTML/CSS, PHP
- **Technologies and Tools:** MySQL, SQLite, MongoDB, MariaDB, Spring Boot, Pandas, ROS, Docker, Apache, Wireshark, Jupyter Notebook, Git, RESTful APIs, VS Code, IntelliJ, Eclipse IDE

## Certifications

---

- VBA Programming and Excel Macros (Jan. 2021); Power BI (Jan. 2024) - [Ciências e Letras](#)
- AI-900: Azure AI Fundamentals (Apr. 2021) - [Microsoft](#)
- Project Management (2020); Agile & Scrum (2020) - [JuniFEUP](#)